## **DESIGN MEMORANDUM NO. 4-06**

TO:

Chief District Engineers

Design Engineers
Active Consultants

FROM:

David E. Kratt, Director Jairif Kruth

Division of Highway Design

DATE:

December 4, 2006

SUBJECT:

ADA Compliance on Sidewalks, Curb Ramps, and Driveway

Access

Three Standard Drawings (ERPM150, ERPM152, & ERPM170) have been modified to strengthen their compliance with the Federal Americans with Disabilities Act (ADA) and Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities (ADAAG). Sidewalks, curb ramps, and driveway access shall be designed, constructed, operated and maintained so that all pedestrians, including people with disabilities, can travel safely and independently.

In general, whenever the roadside and land development conditions are such that pedestrians regularly move along a highway, those pedestrians should be furnished with a sidewalk or walkway, as is suitable to the conditions.

Sidewalks should be built to accommodate all pedestrians and should be as flat as practical. The minimum width of a sidewalk should be 5'. Sidewalks should be held to a running grade of 5 percent or less, if possible. However, sidewalks that follow the grade of a street in hilly terrain cannot meet this requirement and may follow the grade of the street. The maximum sidewalk cross slope is 2 percent to minimize travel effort for wheelchair users and still provide drainage.

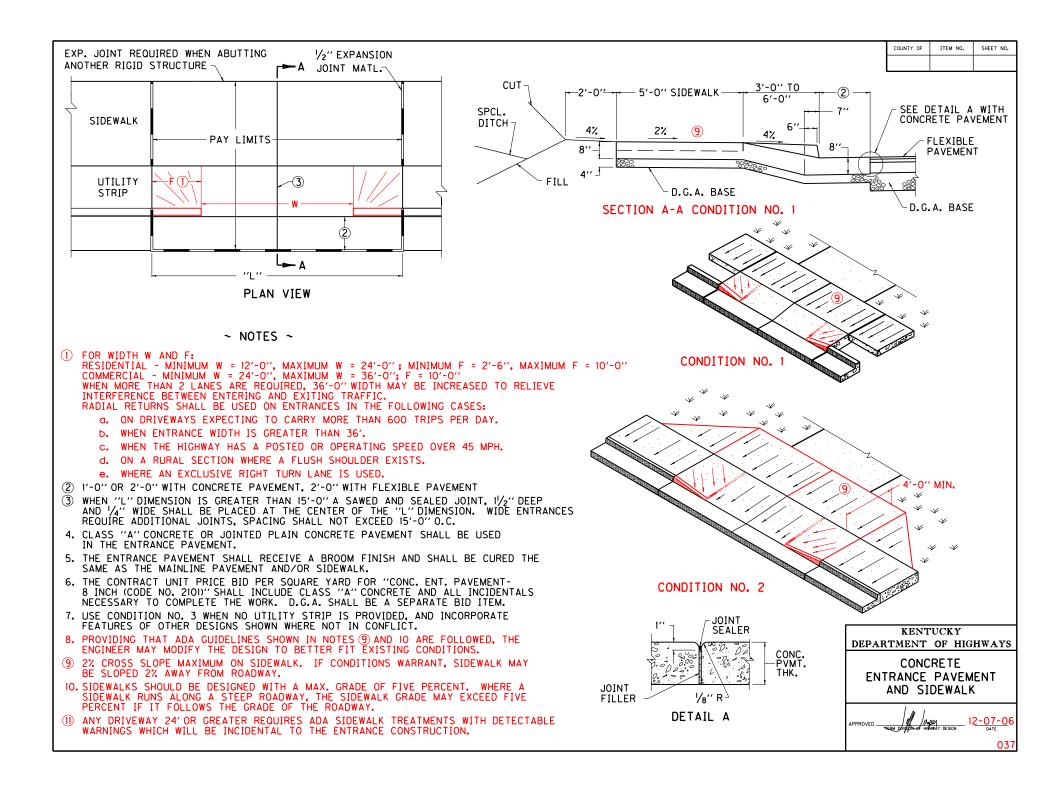
Curb ramps are required at all pedestrian crossings, including midblock crossings as well as at intersections. When locating curb ramps, designers must consider the position of drainage facilities and utilities such as power poles, fire hydrants, street lights, and traffic signals. Ramps shall have level landings (4 foot square minimum) at bottom and top of each ramp.

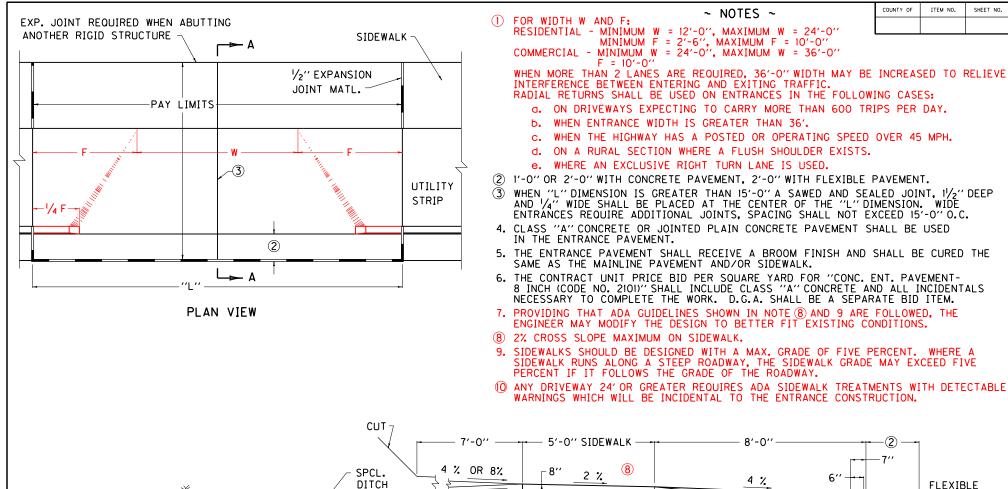
Where a driveway crosses a sidewalk, the driveway must conform in width, cross slope, and grade to the design requirements for sidewalks in order to maintain accessibility for pedestrians with disabilities. At least 4 ft of flat sidewalk area is required at the top of a sloped driveway to accommodate wheelchair use. In some cases, it may be necessary to bend the sidewalk around the back of the driveway to achieve a level surface of 4 ft. See the Standard Drawing for details.

These Standard Drawing will be in affect with the January, 2007 letting.

Any questions regarding this memorandum should be directed to this office.

DEK: IDI:CW





4 %

6668

D.G.A. BASE

SECTION A-A

½″ EXP. JOINT FILLER

SEALER

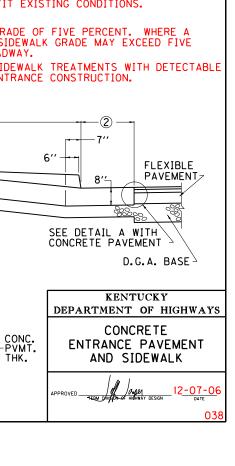
DETAIL A

4"-

FILL

ISOMETRIC VIEW

 $\checkmark$ 



COUNTY OF

ITEM NO.

SHEET NO.

